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or Fax (571)-273-2885 INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 83522 7590 11/06/2009 FEB 0 5 2010 Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. Bryan Cave LLP 1290 Avenue of the Americas New York, NY 10104 Eileen M. Ebel 02/08/2010 CCHAU2 00000054 10518530 (Depositor's nam (Signature 01 FC:1501 1510.00 OP 02 FC:1504 03 FC:8001 300.00 DP 2, February 2010 (Date) 9.00 OP APPLICATION NO FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/518,530 06/20/2005 Tatsuo Hoshino 21298 US 8399 (C038435/0183236 TITLE OF INVENTION: PROCESS FOR PRODUCING CAROTENOIDS APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE DATE DUE TOTAL FEE(S) DUE nonprovisional NO \$1510 \$300 \$0 \$1810 · 02/08/2010 **EXAMINER** ART UNIT CLASS-SUBCLASS MARX, IRENE 1651 435-067000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Bryan Cave LLP (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is Number is required. listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) DSM IP Assets B. V. TE Heerlen, Netherlands Please check the appropriate assignee category or categories (will not be printed on the patent): 🔲 Individual 🚇 Corporation or other private group entity 🛄 Government 4a. The following fee(s) are submitted: 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) Issue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 02-4467 (enclose an extra copy of this for Advance Order - # of Copies (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office February 2, 2010 Authorized Signature 37,316 Eileen M. Ebel Typed or printed name Registration No.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
83522 Bryan Cave LL 1290 Avenue of New York, NY 1	the Americas	,	3 0 5 2010 Sta	Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
		A TA	ADEMARK OF	Eileen	M. Ebel	(Depositor's name)	
				Februar	y 2, 2010	(Signature) (Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTORNEY DOCKET	NO. CONFIRMATION NO.	
10/518,530 06/20/2005 Tatsuo Hoshino 21298 US 8399 TITLE OF INVENTION: PROCESS FOR PRODUCING CAROTENOIDS (C038435/0183236							
			I and the second party	Tabell Data tools	FEE TOTAL FEE(S)	DUE DATE DUE	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE		<u> </u>	02/08/2010	
nonprovisional	NO	\$1510	\$300	\$0 ¬	\$1810	02/06/2010	
EXAMINER		ART UNIT	CLASS-SUBCLASS	ا			
MARX, IRENE 1651			435-067000				
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3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or t	/pe)			
PLEASE NOTE: Unle recordation as set forth	ess an assignee is ident h in 37 CFR 3.11. Comp	ified below, no assignee eletion of this form is NO				the document has been filed for	
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
DSM IP Assets B. V. TE Heerlen, Netherlands							
Please check the appropri	iate assignee category or	categories (will not be pr	inted on the patent):	Individual 10 Co	orporation or other priva	ate group entity Government	
4a. The following fee(s) are submitted:  Ab. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  Solution Fee (No small entity discount permitted)  4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.						e fee shown above)	
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	s SMALL ENTITY state	is. See 37 CFR 1.27.	b. Applicant is no lo	nger claiming SMA	LL ENTITY status. See	37 CFR 1.27(g)(2).	
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Authorized Signature	Elun	m Ell		Date Fel	oruary 2, 20	10	
Typed or printed nameEileen M. Ebel				Registration N	Vo37,316		
an application Confident	tiality is governed by 35	31 S.C. 122 and 37 CFR	1.14. This collection is e	stimated to take 12	manues to complete, in	le (and by the USPTO to process) cluding gathering, preparing, and of time you require to complete Department of Commerce, P.O.	

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